

What is claimed is:

1. A power plug with overloaded display, comprising an embedded positioned block arranged on the periphery of the electric metal-pin of said power plug, wherein a thermochromic film is coated on the surface of said embedded positioned block, and the external body of said power plug is made by injection modeling with transparent PVC, therefore, users can be noted or warned that said power plug is under unusual temperature increasing condition by color change of the thermochromic film coated on said power plug, after said power plug is overloaded.

2. The power plug with overloaded display according to claim 1, wherein said embedded positioned block is printed with warning characters made of thermochromic materials.

3. The power plug with overloaded display according to claim 1, wherein said external body of said power plug made by injection modeling is injected by mixing the thermochromic materials with PVC.

4. The power plug with overloaded display according to claim 1, wherein said embedded positioned block is directly injection modeled with thermochromic materials.

5. The power plug with overloaded display according to claim 1, wherein the melting joint between said electric metal-pin and a power wire is extendedly connected with a detecting transistor and a light emitting diode ( LED ) , and the top of said LED is exposed outside the surface of said electric plug, hence, when said detecting transistor detects that said power plug is overloaded, said LED will be flashed to note or warn users that the temperature of said power plug is abnormally increasing.
- 10 6. The power plug with overloaded display according to claim 4, wherein said LED connected with said detecting transistor is embedded into the external body of said power plug injected with transparent PVC.